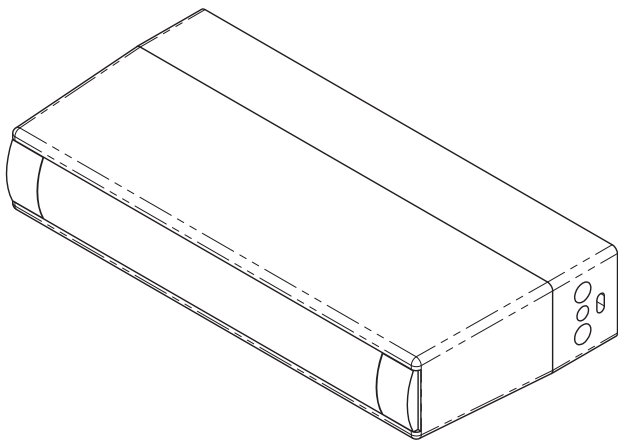


TPX™



MOTORCYCLE LASER JAMMER SYSTEM MANUAL

ADAPTIV™
TECHNOLOGIES

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You may register this product online at
www.AdaptivTech.com

INTRODUCTION

Dear *TPX™ Motorcycle Laser Jammer System* Owner,
Congratulations on your purchase of the *TPX™ Motorcycle Laser Jammer System*! This system is the result of years of research and development by the motorcycle-minded engineers who started the company.

The *TPX™ Laser Jammer System* is powered by *Blinder®* technology. Year after year, independent testing proves *Blinder®* to be the best laser jamming technology in commercial use.

The *TPX™ Laser Jammer System* is not cluttered with unnecessary features. Its simple and straight forward design allows you to focus on your ride, while enjoying peace-of-mind protection.

Our goal is to provide you with the highest quality products designed specifically for motorcycles. Enjoy your new *TPX™ Laser Jammer System*. Enjoy your ride, and ride safe.

Sincerely,
Adaptiv Technologies

SAFETY WARNING

When using the *TPX™ Laser Jammer System* and its associated components, it is the sole responsibility of the operator to install all components properly and to ensure that they will not interfere with safe operation of the vehicle, nor will they cause any personal injury or damage in the event of an accident. The operator should operate the vehicle in a safe manner while using the system and its components. The operator should not use the system if it is distracting, unsafe, or dangerous to do so.



Warning: Using this product is not a license to speed! Always ride safely and obey traffic laws.



Warning: It is your responsibility to be familiar with all laws applicable to the possession and use of laser jammers in your locality. The manufacturer and retailer assume no responsibility for any use or application of this product in violation of any applicable law. Please check your state and local laws and regulations before installing this product.



Warning: Do not look directly into the transponder! The transponder emits a powerful infrared beam of light which is not visible, but can cause eye damage from prolonged exposure!

PACKAGE CONTENTS

- TPX™ Laser Jammer Transponder (1)
- TPX™ Laser Jammer Interface Box (1)
- TPX™ Laser Jammer Control Switch (1)
- TPX™ Visual Alert (1)
- TPX™ Visual Alert Mounting Tape (1)
- TPX™ Laser Jammer Hinge Bracket (2)
-  M4 x 12mm Screw (4)
-  8-18 x 5/8 Self Drilling Screw (2)
- #8 Lock Washer (2)
- Spirit Level (1)
- Hole Plug (2)
- Small Cable Tie (8)
- Large Cable Tie (4)
- T-Tap Electrical Connector (2)
- Male Quick Disconnect (1)
- USB Cable (1)
- Product Manual (1)
- Product Registration Form (1)

PRODUCT OVERVIEW

The TPX™ Laser Jammer System is designed specifically for motorcycle use. It can be used as a standalone system, or in conjunction with the TPX™ Motorcycle Radar and Laser Detection System.

When the *Transponder* detects an incoming laser signal, it automatically jams the laser gun to prevent a speed reading. The rider is notified of the signal with the flashing *Visual Alert*. An audio output jack is provided for optional integration with a sound/communication system. Brightness, volume, and power are managed with the *Control Switch*.

The TPX™ Laser Jammer System is waterproof, vibration proof, and easy to use. It is powered through the bike's 12V electrical system and can be upgraded with the latest software releases via the web.

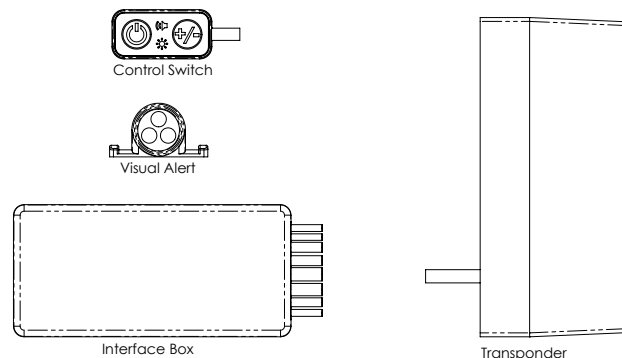


Figure 1

USING THE TPX™ MOTORCYCLE LASER JAMMER SYSTEM

INSTALLATION



Warning: Installation of the *TPX™ Motorcycle Laser Jammer System* should be performed by a qualified technician. Improper installation may interfere with the safety and proper operation of the product and/or vehicle.

MOUNTING THE TRANSPONDER

The *TPX™ Laser Jammer System* includes one *Transponder* for mounting on the front of the bike. An additional *Transponder* for rear protection is available separately.

Choose an appropriate location on the bike to mount the *Transponder*. The ideal location is usually on the fairing, under the front headlight. The *Transponder* will need to be mounted parallel to the road with a clear line of sight straight ahead. Use the included *Hardware* and *Hinge Brackets* to loosely secure the *Transponder* as shown in Figures 2a and 2b.

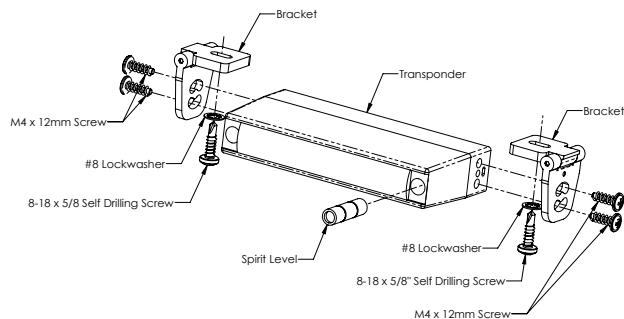


Figure 2a

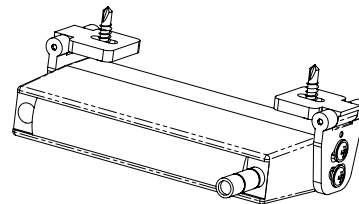


Figure 2b



Warning: Use only the *M4 x 12mm Screws* to secure the *Hinge Brackets* to the *Transponder*. Any other screws will damage the *Transponder* and void the warranty.



Warning: The *18-8 x 5/8" Self Drilling Screws* and *#8 Lock Washers* are included for your convenience. They will work on most motorcycles. However, all motorcycles are different and it is your responsibility to determine the best method of securing the system to your bike. **Adaptiv Technologies, LLC is not responsible for any vehicle damage resulting from improper mounting.**

With the *Spirit Level* inserted into either hole, adjust the *Transponder* until it is parallel to the ground. It is recommended to have someone sit on the motorcycle to simulate the motorcycle's actual riding position while this adjustment is being performed. Tighten all *Screws* when *Transponder* is level.

After *Transponder* is secured, remove *Spirit Level* and insert *Hole Plugs* as shown in Figure 3.

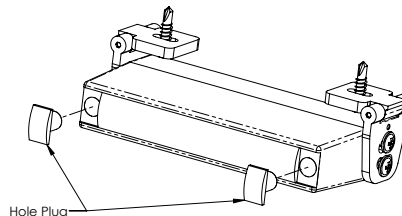


Figure 3

Alternatively, the *Transponder* can be mounted with the *Hinge Bracket* tabs facing outwards as shown in Figure 4.

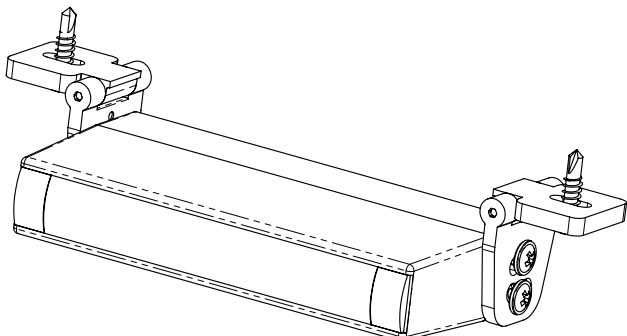


Figure 4

MOUNTING THE VISUAL ALERT

The *Visual Alert* is designed to be mounted on any part of the motorcycle that is easily seen by the rider. The LEDs should be pointed directly at the rider's face.

There are two mounting options for the *Visual Alert*.

Option 1: Using Double-Sided Adhesive Tape

- Determine an appropriate location for mounting the *Visual Alert*. The surface directly above the gauges is an ideal location on many motorcycles.
- Clean the bottom surface of the *Visual Alert* and the chosen mounting surface on the motorcycle with mild soap and water. Rinse with water to remove all traces of soap.
- Once the surfaces are clean and dry, remove one liner of the *Visual Alert Mounting Tape* and apply to the bottom surface of the *Visual Alert*.

- Remove the other liner of the *Visual Alert Mounting Tape* and apply the *Visual Alert* to the chosen mounting surface on the motorcycle using firm pressure.
- Allow mounted assembly to sit overnight while tape increases bond strength.

Option 2: Using Cable Ties

- Determine an appropriate location for mounting the *Visual Alert*.
- Fasten with *Large Cable Ties* as shown in Figure 5.

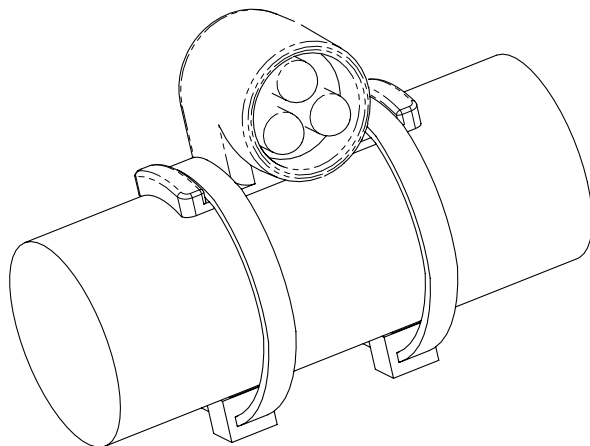


Figure 5

MOUNTING THE CONTROL SWITCH

- Determine an appropriate location for mounting the *Control Switch*. The best location is one that is easily accessible while riding.
- Clean the chosen mounting surface on the motorcycle with mild soap and water. Rinse with water to remove all traces of soap.
- Once the surface is clean and dry, remove the liner of the Double-Sided Adhesive Tape and apply the *Control Switch* to the chosen mounting surface on the motorcycle with firm pressure.
- Allow to sit overnight while tape increases bond strength.

WIRING THE TPX™ LASER JAMMER SYSTEM

General

Refer to Figure 6 for wiring diagram.

Secure all loose wires with included cable ties.

Leave caps on all connectors when not in use.

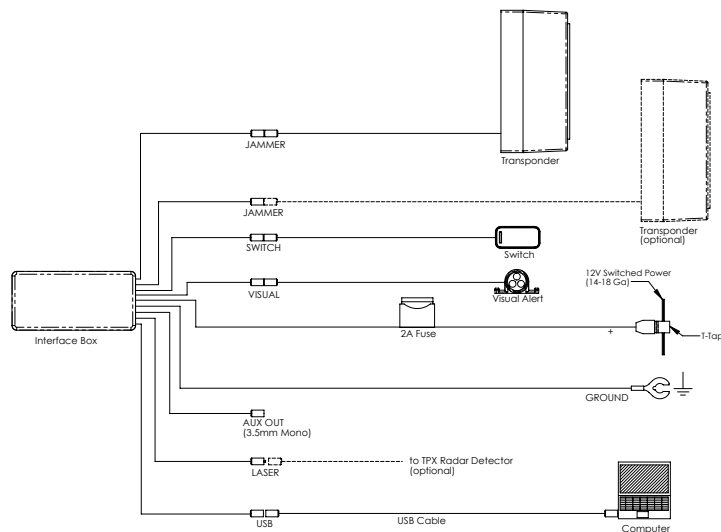


Figure 6

Power

To provide power to the system, connect the red (+) terminal cable to a 12V, 14Ga-18Ga switched power wire with the included *T-Tap*. Connect the black (Ground) cable to a ground.



Warning: If the system is not connected to a 12V power source that is switched off when the ignition is turned off, it will continue to draw a small amount of power and could drain the bike's battery and/or function improperly.



The TPX™ Laser Jammer System is designed to be powered by a switched 12V power source. If the motorcycle's power output is not 12V, a voltage adaptor is required.

If you are pairing the *TPX™ Motorcycle Laser Jammer System* with the TPX™ Motorcycle Radar and Laser Detection System, the *Radar Detection System* must be powered from a SWITCHED power source. To achieve this, replace the Slotted Ring Terminal on the positive wire (red) of the Radar Detection System Wiring Harness with the included *Male Quick Disconnect*. Use the included *T-Tap* to splice into a 14Ga-18Ga switched power wire. Then connect the *Male Quick Disconnect* to the *T-Tap*.



If the TPX™ Motorcycle Radar and Laser Detection System is not powered from a switched power source, it may display false alerts when powering down the bike.

Transponder

Connect the *Transponder* to either one of the connectors labeled "Jammer".

If a second (optional) *Transponder* is used, connect it to the other connector labeled "Jammer".

Visual Alert

Connect the *Visual Alert* to the connector labeled "Visual".

Control Switch

Connect the *Control Switch* to the connector labeled "Switch".

AUX Out

The connector labeled "AUX Out" provides an audio output signal. This audio signal can be utilized with any number of communication systems. The connector is a 3.5mm female mono jack. Contact your communication system manufacturer for appropriate adapter device.

Laser

Connect the "Laser" output to the "Laser" input on the TPX™ Radar and Laser Detection System's Wiring Harness if you are using both systems.

USB

When updating the firmware and changing settings, use the included USB cable to connect to a computer.

OPERATION

Power

Press and hold the  button for two seconds to turn the system on. On startup, the *Visual Alert* will flash three times and the audio (if installed) will beep three times. Either the  or  indicator will be illuminated when the system is on.

Press and release the  button to turn the system off.

Brightness and Volume Control

Press and hold the  button for two seconds to toggle between Brightness Mode and Volume Mode.

In Brightness Mode, the  indicator will be illuminated.

Pressing the  button in this mode scrolls through 5 levels of *Visual Alert* brightness.



Warning: The flashing LEDs of the *Visual Alert* can be extremely bright, especially at night time. It can be distracting and dangerous if you are not familiar the brightness level. Before riding with the *Visual Alert*, especially at night, take the time to familiarize yourself with the system in a safe, controlled setting.

In Volume Mode, the  indicator will be illuminated. Pressing the  button in this mode scrolls through 5 levels of volume through the AUX Out cable.

The system will retain the last volume and brightness settings each time the power is reset.

Laser Signal Detection and Jamming

When the *Transponder* detects an incoming laser signal, it instantly sends out a jamming signal to prevent a speed reading on the laser gun. The *Visual Alert* will notify you of this signal, as will an alarm signal through the AUX Out (if connected).

With the factory default settings, the system will sense, alert, and jam any incoming laser signals for 7 seconds after the initial signal. After 7 seconds, the system will shut down its jamming and alerts for 1 minute before reactivating. This algorithm allows the laser gun to obtain a reading only AFTER you have had 7 seconds to check your speed. The system will provide an alert when it reactivates itself after the 1 minute shut-down period.

The factory default settings can be changed with a computer and the included *USB Cord*.

Using TPX™ Laser Jammer System with the TPX™ Radar Detector and Laser Detection System

The *TPX™ Laser Jammer System* can be used in conjunction with the *TPX™ Radar and Laser Detection System*. To take advantage of this functionality, connect the “Laser” output of the *TPX™ Laser Jammer System* to the “Laser” input on the *TPX™ Radar and Laser Detection System’s Wiring Harness*.

When a laser signal is received and jammed, it will trigger the *TPX™ Radar and Laser Detection System*. The *TPX™ Radar and Laser Detection System’s Visual Alert* will flash, the LCD will indicate “Laser”, and the Wireless Headset and audio output will sound alarms if used. This configuration allows the rider to control all visual and audio signals through the *TPX™ Radar Detector Unit*. The *TPX™ Laser Jammer System’s Visual Alert* is not required for this situation, but may be used as a secondary alert method.

Updates and Settings

Firmware updates and setting changes can be performed with the included *USB Cable* and a computer connected to the internet. It is important to disconnect all power from the system before plugging into the computer. Go to www.AdaptivTech.com for software downloads and detailed instructions.



Warning: Disconnect all power from the *TPX™ Laser Jammer System* before connecting to a computer.

TROUBLESHOOTING

If your *TPX™ Laser Jammer System* is not operating properly, please refer to the following guide:

Problem	Possible Causes	Possible Solutions
System will not turn on	System not properly connected to power source Vehicle not turned on System power off	Check fuse, replace with a 2A fuse if necessary Check power connections Turn vehicle on Press and hold  button for 2 seconds with vehicle on
System does not operate properly	Firmware update interrupted	Visit our support site at: www.AdaptivTech.com to download software repair
System drains motorcycle's battery over time	System is not connected to switched power source	Connect power to switched power source that turns on/off with ignition.
System resets when vehicle goes over a bump	Poor electrical connection	Check power connections
System did not register a signal when driving past a police vehicle	Police laser is not turned on Police laser is not pointed directly at your vehicle Non-laser detection methods are being used	Slow down and remain cautious

Problem	Possible Causes	Possible Solutions
System alerts one minute after initial laser signal detection	Normal operation	This feature is normal and alerts the user that the system has reactivated itself after the pre-determined shut down period
<i>TPX™ Radar Detector</i> displays laser alert when bike is turned off	<i>TPX™ Radar Detector</i> is not connected to switched power source	Connect <i>TPX™ Radar Detector</i> to switched power source that turns on/off with ignition

MAINTENANCE AND CARE

- The *TPX™ Laser Jammer System* is weather resistant. It is designed to withstand temporary exposure to moisture, such as rain or fog. However, it should not be exposed to moisture for a prolonged period of time. Do not leave the system out in the rain when not in use. Do not hose the system down. Do not submerge the system as this will void the warranty.
- Clean the system components with a damp lint-free cloth only. Do not use any chemicals as they may attack the plastic.
- Dry the system components with a lint-free cloth after it has been exposed to moisture.
- Keep the *Transponder* lens clean to maintain optimal function. The *Transponder* strength may decrease if the lens becomes scratched. The lens is easily replaced and is available for purchase separately.

WARRANTY

Adaptiv Technologies, LLC warrants to the original purchaser that the *TPX™ Laser Jammer System* will be free of defects in workmanship and materials for a period of one year from the date of first consumer purchase. The *TPX™ Laser Jammer System* consists of the *Interface Box*, the *Transponder*, the *Visual Alert*, the *Control Switch*, and the respective parts of each. Adaptiv Technologies will, at its option, repair or replace defective parts upon delivery to Adaptiv Technologies accompanied by the original sales receipt or other proof of first consumer purchase within the warranty period. You are responsible for all charges required to ship the product for warranty service, but the return charges will be at Adaptiv Technologies' expense if the product is repaired or replaced under warranty. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

EXCLUSIONS: This limited warranty does not apply:

1. To any products sold separately (such as any mount assemblies);
2. To any defects caused by misuse, abuse, accidents, modifications, negligence, tampering, or unauthorized repair;
3. In any state, country, or jurisdiction in which possession of this product is illegal;
4. If the serial number has been altered, defaced, or removed; or
5. To installation of the system.

ALL IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE PERIOD OF THIS WARRANTY.*

* Some states do not allow limitations on the duration of implied warranties and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

WARRANTY SERVICE

If you believe that your *TPX™ Laser Jammer System* is not functioning properly:

1. Review the **Troubleshooting** section.
2. If your problem is not resolved after reviewing the **Troubleshooting** section, have your serial number ready and call us at 646-722-0253. We will try to resolve your problem over the phone.
3. If your system needs to be returned for repair, we will provide you with a Return Merchandise Authorization (RMA) Number and a shipping address. Write the RMA Number on the outside of the shipping box. Include the following items in your shipment:
 - a. Items needing repair.
 - b. Copy of sales receipt (originals cannot be returned).
 - c. Your name, phone number, address, and email address (we promise not to spam).

All shipment must be sent prepaid by way of a traceable carrier, such as UPS, FedEx, USPS Priority Mail with Tracking, etc., and should be insured. Adaptiv Technologies is not responsible for any loss or damage incurred during shipping.

Warranty service will only be honored for units purchased from authorized agents.

Repairs will not be performed on units without a readable serial number.

Please allow 4-8 weeks for the return of the system.

NON-WARRANTY SERVICE

For all non-warranty service, follow the same procedure described in the **Warranty Service** section and include a non-refundable payment of \$75 for basic diagnostics and repair. Do not send cash. If there are any additional charges, we will notify you before performing the repair.

SPECIFICATIONS

Transmitter type:

8 special IR LEDs

Wavelength:

904 nanometers

Operating Temperature Range:

-20°C to +70°C (-4°F to +158°F)

Power Requirements:

12V DC

Fuse:

2A

US PATENT 6,833,910

EUROPEAN PATENT 1549969

OTHER PATENTS PENDING

ACCESSORIES

The following accessories and replacement parts are available for purchase.

For more information, go to: www.AdaptivTech.com or call us at 866-ADAPTIV (866-232-7848).

TPX™ Laser Jammer Transponder

TPX™ Laser Jammer License Plate Bracket

TPX™ Laser Jammer Transponder Replacement Lens

TPX™ Visual Alert

TPX™ Motorcycle Radar and Laser Detector System and accessories

AdaptivMount™ Motorcycle Accessory Mounts

Adaptiv Technologies, LLC
www.AdaptivTech.com

866-ADAPTIV
(866-232-7848)
646-722-0253